

## Aggregate Functions:

Aggregate functions perform **calculations on a set (group) of values** and return a **single summarized value** (like total, average, count, etc.).

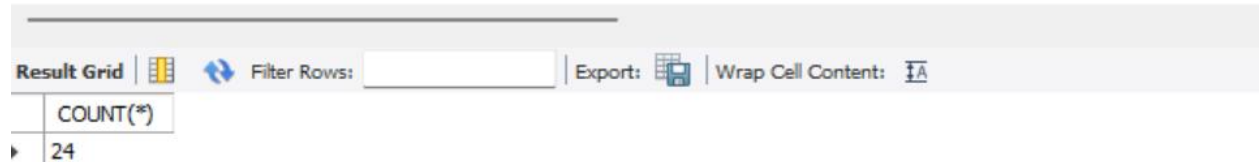
They are often used with:

- GROUP BY → to group rows before aggregation
- HAVING → to filter aggregated results

Common aggregate functions are:

**COUNT():** Counts number of rows.

```
7 • SELECT COUNT(*) FROM users;
```

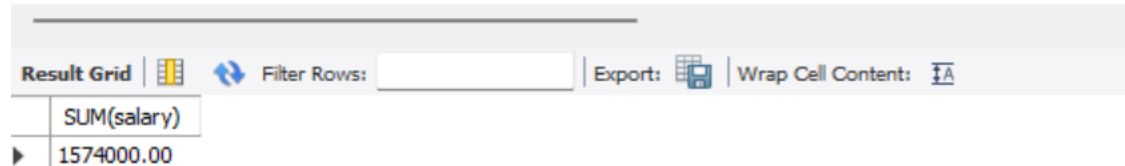


The screenshot shows a SQL query editor with the query `SELECT COUNT(*) FROM users;` and its result in a table. The table has one column labeled `COUNT(*)` and one row with the value `24`. The interface includes a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'.

COUNT(*)
24

**SUM():** Adds up numeric values

```
7 • SELECT SUM(salary) FROM users;
```



The screenshot shows a SQL query editor with the query `SELECT SUM(salary) FROM users;` and its result in a table. The table has one column labeled `SUM(salary)` and one row with the value `1574000.00`. The interface includes a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'.

SUM(salary)
1574000.00

**MIN():** Finds smallest value

```
7 • SELECT MIN(salary) FROM users;
```







The screenshot shows a SQL query editor with the query `SELECT MIN(salary) FROM users;` and its result in a table. The table has one column labeled `MIN(salary)` and one row with the value `50000.00`. The interface includes a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'.

MIN(salary)
50000.00





**MAX():** Finds largest value

```
7 • SELECT MAX(salary) FROM users;
```

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	MAX(salary)			
▶	90000.00			

**AVG():** Calculates average value

```
7 • SELECT AVG(salary) FROM users;
```

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	AVG(salary)			
▶	65583.333333			